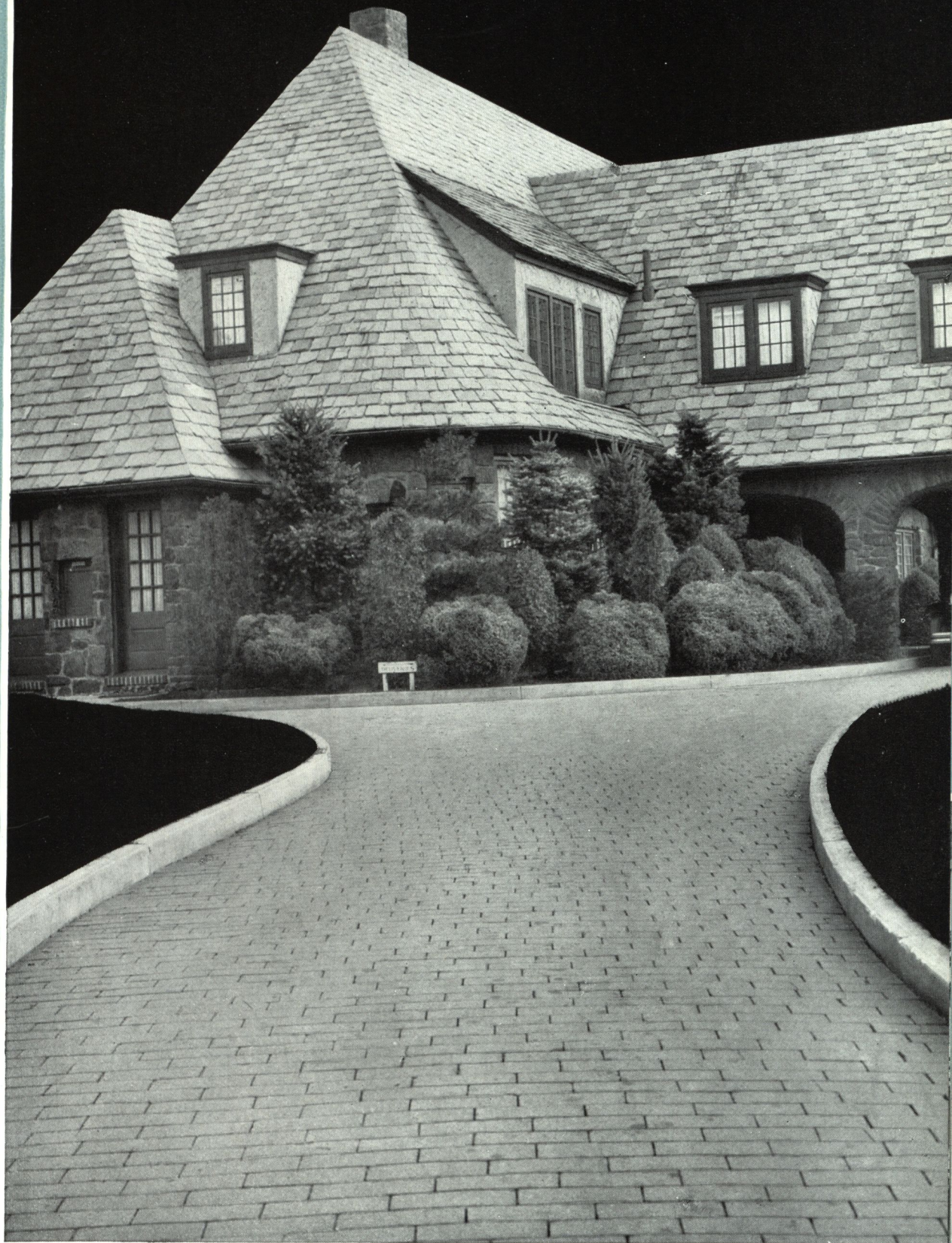


**SUGGING
ASTIN
HASTIN**



ASPHALT BLOCKS



**Cover Illustration: Asphalt Block Driveway,
Residence, Geo. D. Hofe, South Orange, N.J.**

**Left: Asphalt Block Non-Skid Construction,
Riverside Drive Approach to George Wash-
ington Bridge, New York City—6% Grade.**

HASTINGS EXPERIENCE AND SERVICE



The Hastings Pavement Company was organized in 1885 for the purpose of producing a unique form of pavement material—the compressed Asphalt Block.

Installations in service today, which were laid in the first decade of the Company's existence, bear witness to the successful accomplishment of that purpose.

To the architect and engineer, is offered the benefit of more than 53 years' experience in the manufacture and improvement of a product recognized as the standard for its kind.

Right: Asphalt Block Pavement, Park Avenue Concourse around Grand Central Station, New York City.

**THE HASTINGS
PAVEMENT CO.,
25 Broad Street,
NEW YORK, N. Y.**

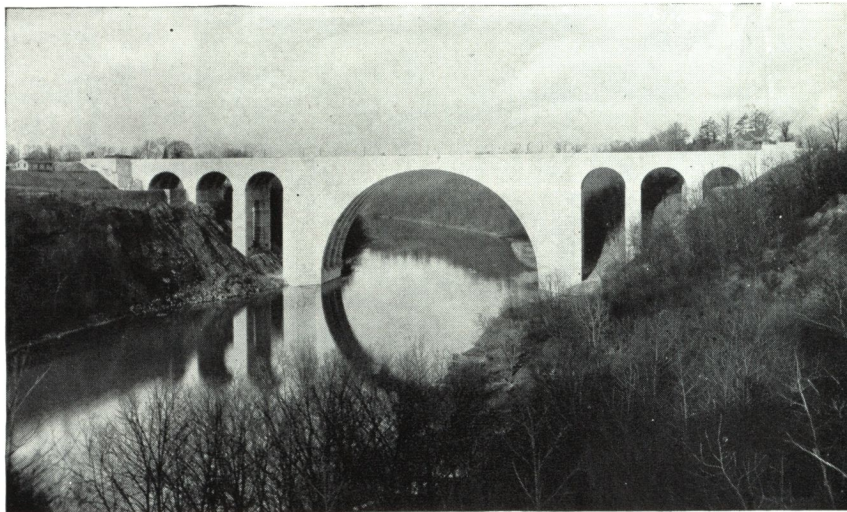


HASTINGS ASPHALT BLOCKS AND TILES

THE term "Survival Value" as applied to manufactured products has been defined as the capacity to fulfill changed and changing service demands over extended periods of time.

Within the scope of this definition, Hastings Asphalt Blocks have an unquestioned "Survival Value" in the field of paved surfaces. Their inherent durability, moisture-resistance, toughness, non-absorption and smoothness have adapted them to the exacting requirements of modern industry.

Unit manufacture under precise laboratory control assures quality and uniformity of product. Diversity in size and formula permits adaptation to a wide range of installations under varying conditions of usage.



Above: Veterans' Memorial Bridge, Rochester, New York, Roadway Paved with Hastings Asphalt Blocks.



Above: Asphalt Tile Walks Laid 1888 in Flower Gardens, Prospect Park, Brooklyn, N. Y.

Below: Asphalt Block Aprons, Floyd Bennett Field, Municipal Airport, Brooklyn, N. Y.



Above: Asphalt Block Pavement fronting Columbia University Medical Center, New York City.

HASTINGS ASPHALT BLOCK FLOORS

TYPICAL USES

FACTORIES
PIERS
TERMINALS
WAREHOUSES
LOADING PLATFORMS
STABLES

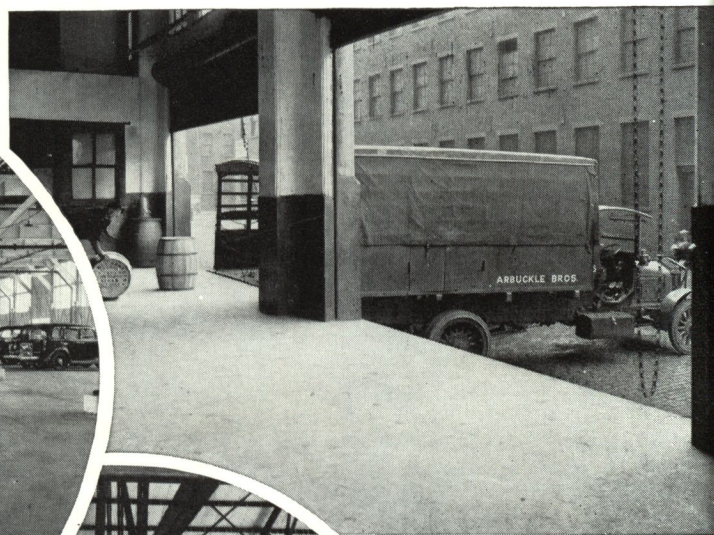
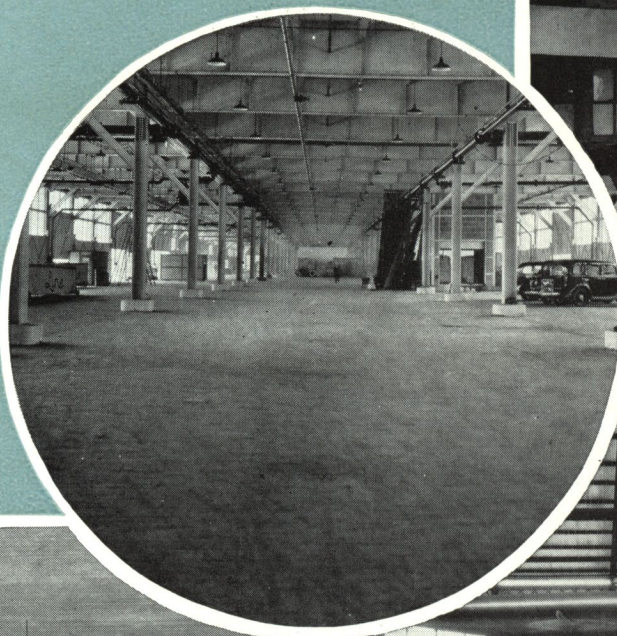
BECAUSE of their toughness and great durability, Hastings Asphalt Blocks have been fittingly called "The Economy Floor."

They embody all essential qualities of the modern industrial floor which must serve not only for manufacturing, assembling, storage, packing and shipping, but must function also as a traffic carrier.

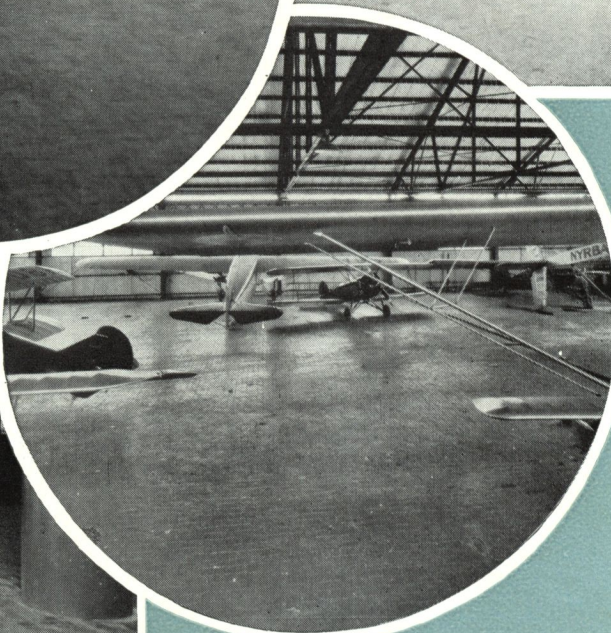
Hastings Asphalt Block Floors are wear-resistant, smooth, non-exuding and odorless — comfortable under foot, non-absorptive and free from ravages of expansion and contraction. They are easily laid, easily taken up and relaid. Their unit construction permits ready sub-surface access, makes maintenance inexpensive and by absorbing movement due to temperature extremes, prevents bulging or cracking.

Right: Asphalt Block Floor, "Steamer Normandie" pier, French Line, New York City.

Below: Asphalt Block Floor, Texas and Pacific Ry. Freight Terminal, Ft. Worth, Tex.



Above: 27-Year-Old Asphalt Block Platform. Arbuckle Bros., Brooklyn, N. Y.



Left: Asphalt Block Floor, Airport Hangar, Drew Field, Tampa, Florida.



HASTINGS ASPHALT BLOCK ROOFS

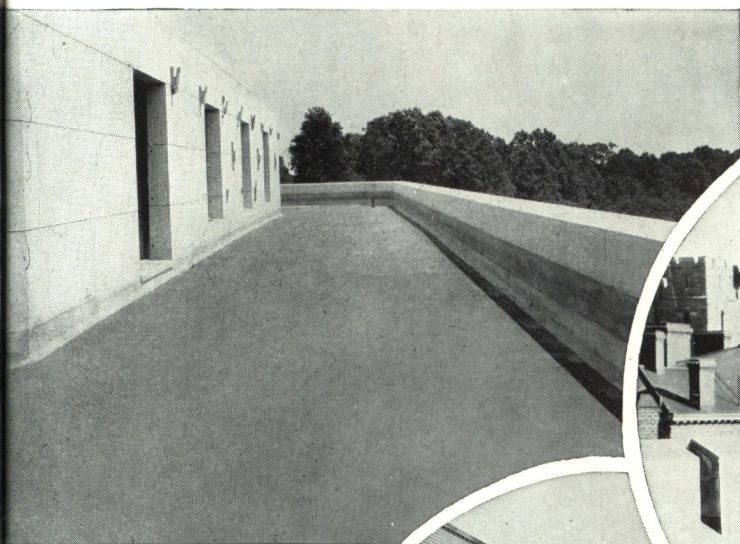
ASPHALT Blocks laid on roof decks make roofs usable, at the same time providing protection to the underlying waterproofing and structure.

The high density of Asphalt Block roof decks gives them a load carrying capacity adequate for car parking and storage while their smoothness and comfort under foot adapt them admirably to balconies, promenades and recreation areas.

Asphalt Block roof decks are non-expansive, therefore proof against cracking, waving or blistering. They are fire-resisting, safe and sanitary, free from glare and eye-strain, easily and inexpensively installed, and may be placed at any season of the year.

TYPICAL USES

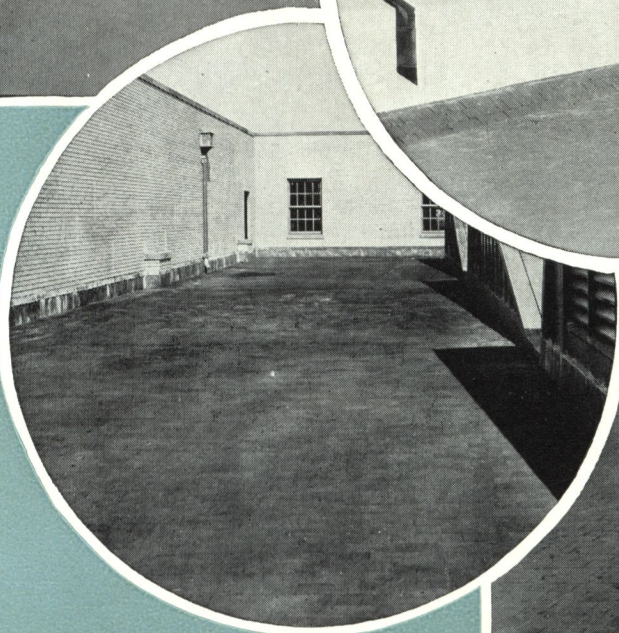
RECREATIONAL
PARKING
STORAGE
SUN DECKS
PROMENADES
BALCONIES



Above: Asphalt Block Roof Promenade, U. S. Bullion Depository, Fort Knox, Ky.



Left: Asphalt Block Roof, Cadet Hospital, West Point, N. Y.



Right: Asphalt Block Roof, United States Post Office, Bronx, New York City.

Below: Asphalt Block Parking Roof, Polsky Department Store, Akron, Ohio.



ASPHALT BLOCK DRIVEWAYS

DRIVEWAYS of Asphalt Blocks are Driveways of Distinction.

They may be laid in a variety of patterns: basket-weave, spaced joints, in longitudinal or lateral courses, and with skid-proof recessed joints for safety on ramps or in other hazardous locations.

An Asphalt Block Driveway requires no annual "treatments" to restore its surface. It has a built-in resistance to wear without sacrifice of cleanliness, smoothness or sightliness.

Surface adjustments and replacements if necessary, are simple and inexpensive to make, matching the adjoining areas without unsightly or patchy appearance.

Above: Asphalt Block Driveway, Residence of Robert F. Morrison, Scarsdale, N. Y.

Below: Asphalt Block Driveway, Residence of Loren N. Wood, Bound Brook, N. J.

TYPICAL USES

RESIDENTIAL
INSTITUTIONAL
INDUSTRIAL
ESTATE
COURTYARD
PUBLIC BUILDINGS

Below: Asphalt Block Driveway Entrance to Vassar College, Poughkeepsie, N. Y. Laid 1905.

Above: Asphalt Block Driveway laid 1902, Bronx Park Museum, New York City.

Above: Asphalt Block Driveway, Residence of T.J. O'Neill, Yonkers, N.Y.

ASPHALT BLOCK WATERPROOFING PROTECTION

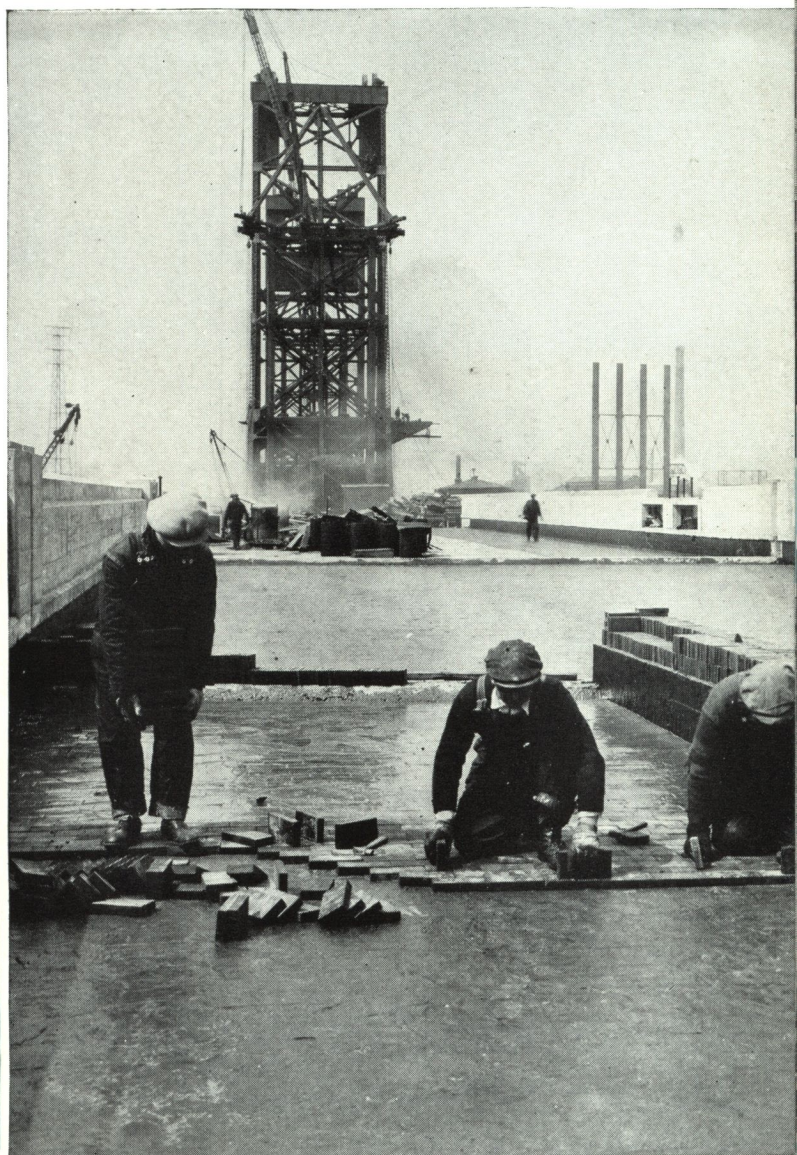
EFFICIENCY of Waterproofing depends upon its impermeability. Ruptured fabric permits water infiltration with consequent disfigurement and damage to the structure beneath.

It is essential therefore that the delicate fabric be adequately protected if it is to render effective, uninterrupted service.

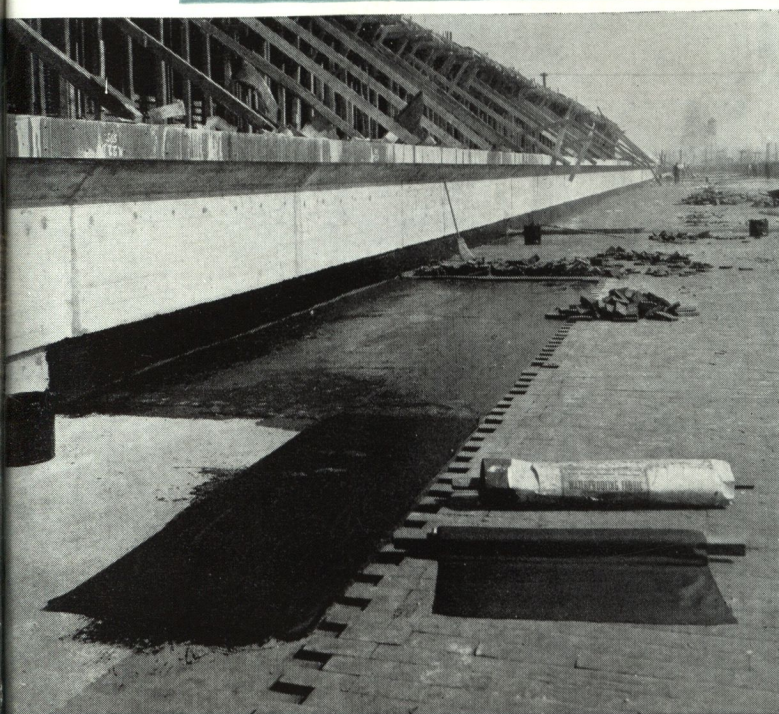
Hastings "Eightfour" Waterproofing Protection forms a dense, protective shield which cannot creep, shrink, curl or warp. It will not puncture or break under load and its unit construction provides sufficient surface flexibility to prevent expansion heaves or contraction cracks.

TYPICAL USES

BRIDGES
VIADUCTS
PORCHES
VAULTS
LABORATORIES
ROOF DECKS



Above: Laying Asphalt Block Waterproofing Protection Over Installed Waterproofing Fabric, Hackensack Avenue Bridge of Delaware, Lackawanna and Western Railway.



Left: Strips of Waterproofing and Asphalt Block Protection Course partly installed on South Viaduct, Delaware, Lackawanna & Western Railway Terminal Warehouse, Jersey City, N. J.

HEXAGONAL ASPHALT TILES

FOR fifty years, Hastings Hexagonal Tiles have served the countless throngs who have found pleasure and relaxation in New York parks and public grounds.

Of soft grey tone color, they blend artistically with their surroundings. Their characteristic shape and size, their surfaces of variegated white and blue stone particles set in a contrasting dark background of asphalt, impart to the landscape a variety unobtainable with conventional flat surfaces.

Retaining beauty and utility with the passing years, Hastings Asphalt Tiles have a special appropriateness wherever landscaping plans call for long-lasting, distinctly different walks.

Above: Hexagonal Asphalt Tile Walk, East River Drive, New York City.

Below: Hexagonal Asphalt Tile Corridor, New Menagerie, Central Park, New York City.

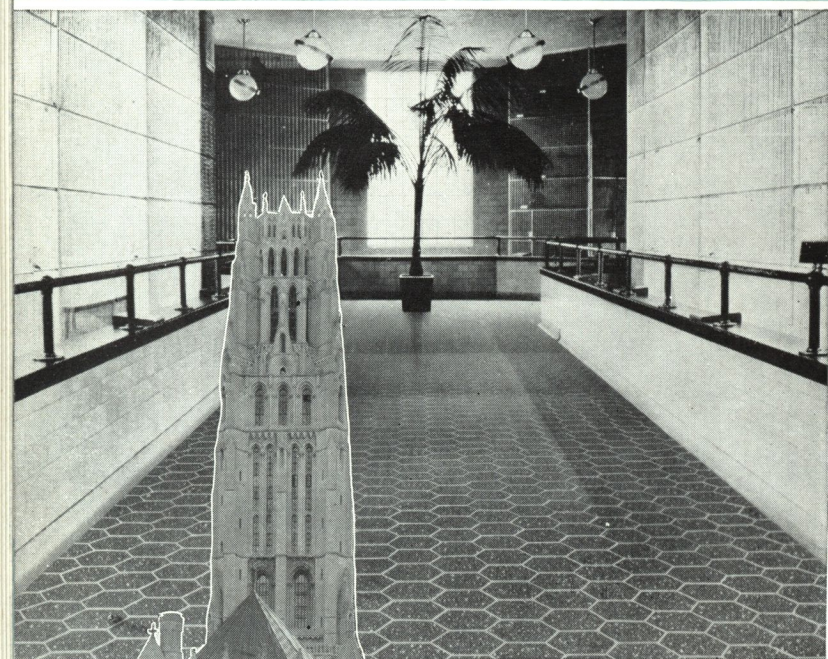
TYPICAL USES

WALKS
CORRIDORS
PLAZAS
PLAYGROUNDS
SWIMMING POOLS
TERRACES
SCHOOL GROUNDS

8

Below Left: Hexagonal Asphalt Tile Walk, Riverside Drive, Riverside Baptist Church in background, New York City.

Below: Hexagonal Asphalt Tiles on Central Park Marginal Walks, fronting Fifth Avenue, New York City.

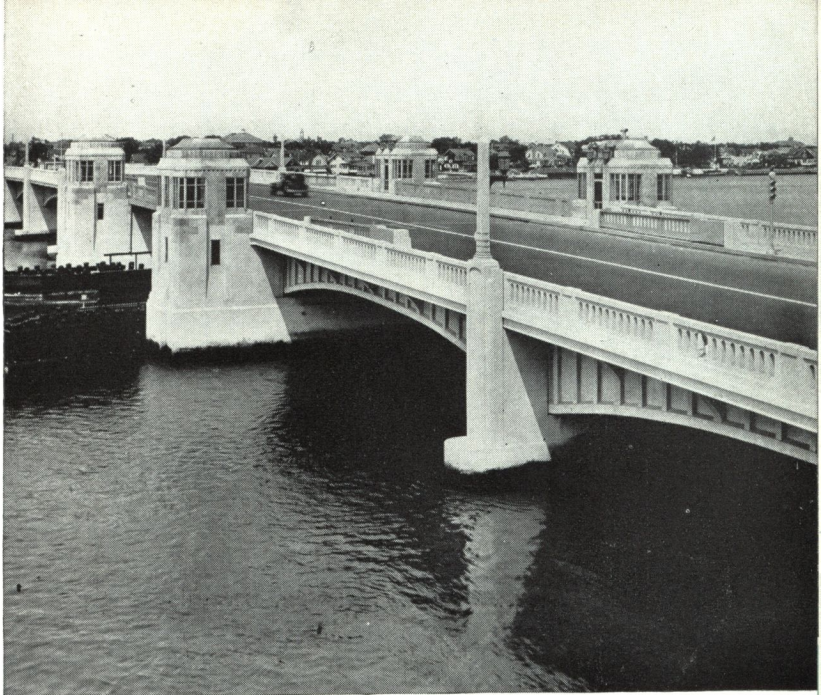


ASPHALT BLOCK PAVEMENTS

HASTINGS Asphalt Blocks have survived a half-century of radically changed traffic conditions. Their resistance to wear and shock which served the horse drawn traffic of an earlier day, satisfy equally the present day concentration of heavy, high speed traffic.

Above all, modern pavements must be safe. Improved car equipment, grade eliminations, easing of curves and other safety measures can not be wholly effective without Safe Pavements.

Asphalt Block Non-Skid Construction renders skid-free and safe, any paved surface where steep grades, curves, poor visibility, or other traffic hazards necessitate precautions against accidents.



Above: Asphalt Block Roadway, State Highway Bridge over Shark River, Belmar, New Jersey.

TYPICAL USES

- STREETS
- ROADS
- BRIDGES
- AIRPORTS
- STATION PLAZAS
- INDUSTRIAL YARDS
- PARKING LOTS

9

Below: Asphalt Block Parking Space, New York Central Railroad Station Plaza, Hastings-on-Hudson, N. Y. Right: Asphalt Block Non-Skid Construction, fronting Cornell University Medical Center, New York City.



HASTINGS

ASPHALT BLOCKS AND TILES

TECHNICAL DATA

Asphalt Blocks fall into **THREE** Service Groups as follows:

1. 5" x 12" PAVING AND FLOORING BLOCKS

For heavy duty floors, streets, roads, loading platforms, driveways, bridges, and all areas subjected to hard usage. They are furnished in these sizes: 5"x12"x2" (deep), 5"x12"x2½" (deep), 5"x12"x3" (deep).

Condition and type of supporting base, kind and volume of traffic or other service are the principal factors in determining the proper depth of blocks for the work to be performed.

2. "EIGHTFOUR" (8"x4") BLOCKS

For upper and lower floors, piers and loading docks where weight and floor thickness are necessary considerations, for roofs, drives, walks, parking areas and protection of waterproofing. Two sizes are available: 8"x4"x1¼" (deep), 8"x4"x1½" (deep).

3. ASPHALT TILES

For walks, courts and terraces in parks, cemeteries, schools, play areas, recreation piers, and public grounds. They can be supplied in two shapes and sizes: Hexagonal 8½" between parallel sides x 2" (deep), Square 8"x8"x2" (deep).

Asphalt Blocks and Tiles varying from the above sizes may be furnished for special applications.

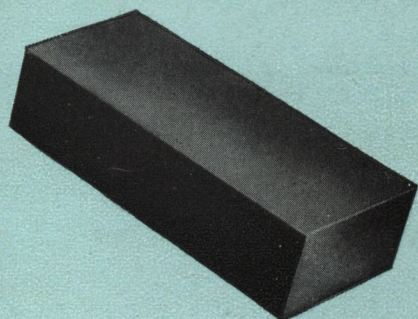
ASPHALT BLOCK WEIGHTS

Size Inches	Lbs. Per Block	Lbs. Per Sq. Ft.	Lbs. Per Sq. Yd.	Net Tons Per Thousand Blocks
5x12x2	10.7	25.5	230	5.35
5x12x2½	13.4	32.0	288	6.7
5x12x3	16.1	38.4	346	8.05
8x4x1¼	3.6	16.0	144	1.8
8x4x1½	4.52	19.2	173	2.16
Hexagonal Tiles	10.8	25.2	227	5.4
Square Tiles	11.6	26.0	234	5.8

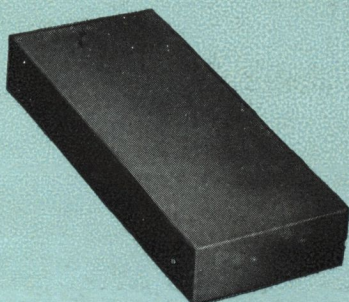
ASPHALT BLOCK QUANTITIES

Size Inches	*Number of Blocks		Per M Blocks		Per Ton		No. Blocks Min. C/L 60,000 #
	Per Sq. Ft.	Per Sq. Yd.	Sq. Ft.	Sq. Yds.	Sq. Ft.	Sq. Yds.	
5x12x2	2.4	21.5	423	47	78.5	8.7	5607
5x12x2½	2.4	21.5	423	47	62.1	6.9	4478
5x12x3	2.4	21.5	423	47	52.2	5.8	3727
8x4x1¼	4.44	40.0	225	25	125.1	13.9	16670
8x4x1½	4.44	40.0	225	25	104.4	11.6	13889
Hex. Tiles	2.53	21.0	432	48	79.2	8.8	5535
Sq. Tiles	2.24	20.2	441	49	76.5	8.5	5172

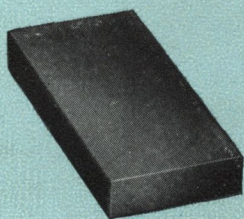
*Figures given make allowance for normal wastage in cutting and fitting.



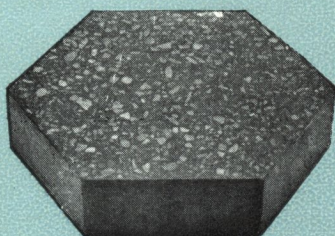
Asphalt Block
5" x 12" x 2½" (deep)



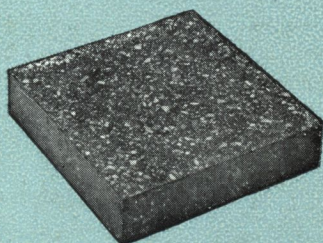
Asphalt Block
5" x 12" x 2" (deep)



"Eightfour" Block
8" x 4" x 1¼" (deep)



Hexagonal Asphalt Tile
—8½" between parallel
sides x 2" (deep)



Square Asphalt Tile
8" x 8" x 2" (deep)

CONDENSED SPECIFICATIONS

ASPHALT BLOCKS: The Blocks shall be composed of crushed, graded trap rock, limestone or equally suitable hard rock, mineral dust and asphaltic cement.

Blocks shall: contain not less than 7% of bitumen; be formed under pressure of not less than 4000 lbs. per sq. in.; show absorption under vacuum test of not more than one-half of one percent by weight; have a specific gravity of not less than 2.40.

ASPHALT BLOCK FLOORS AND PAVEMENTS: Upon the foundation shall be spread a bituminous or sand-cement mortar bed, struck to a smooth, uniform surface $\frac{1}{2}$ " to $\frac{3}{4}$ " in thickness. Upon this bed the blocks shall be laid tightly together with end joints broken by a 4" lap. The surface shall be rolled or otherwise adjusted to grade after which asphalt emulsion or other suitable material shall be applied to the joints and a layer of clean fine sand broadcast over the surface.

On screeded foundations, free from surface inequalities, the bed may be dispensed with and the blocks laid directly on the foundation in an asphalt mop coat.

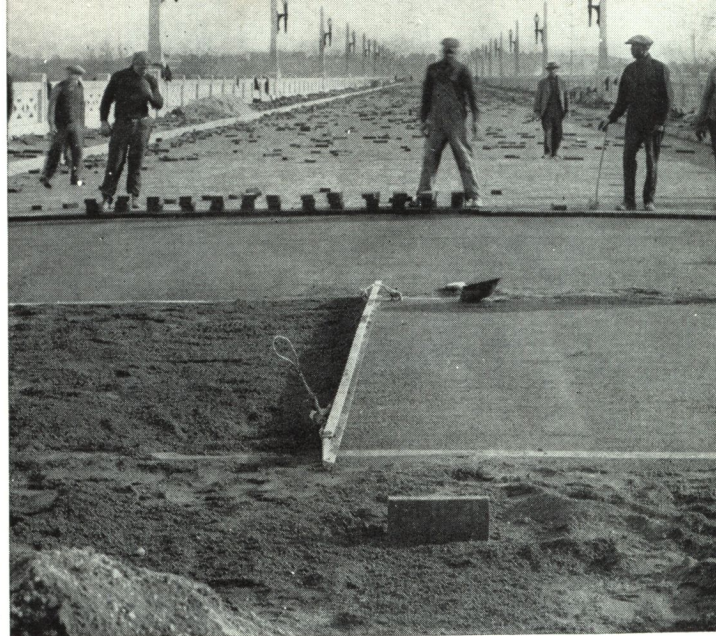
ASPHALT BLOCK AND TILE ROOFS: After the roof deck has been waterproofed, there shall be placed over the waterproofing a course of sand-bituminous mortar struck to a smooth, uniform surface approximately $\frac{3}{4}$ " in thickness. Upon this bed, the blocks or tiles shall be laid to a uniform pattern with close joints treated with asphalt emulsion or other approved material. Immediately following application of joint material, the surplus remaining on the surface of the blocks shall as far as possible be removed, and a light coating of clean fine sand spread evenly over the finished surface.

ASPHALT BLOCK WATERPROOFING PROTECTION: After the waterproofing fabric has been placed, the blocks shall be firmly set in the final mopping of asphalt over the waterproofing, with tight joints and uniform top surface. The asphalt block protection shall then be given a mop-coat of hot asphalt or asphalt emulsion spread evenly over the surface and flushed into the joints.

ASPHALT BLOCK NON-SKID CONSTRUCTION: Over the foundation shall be spread a bed of sand-cement mortar of an average thickness of not less than $\frac{1}{2}$ ". The blocks shall be laid on the bed one row at a time with spacing strips about $\frac{3}{8}$ " wide between courses. After laying, the strips shall be removed and the joints filled with free flowing sand-cement grout, which before setting shall be raked to a depth of about $\frac{3}{8}$ " leaving recessed lateral joints about $\frac{1}{2}$ " wide and $\frac{3}{8}$ " deep.

ASPHALT TILE WALKS: The Tiles may be laid on any well compacted base, preferably clean steam cinders or sand and gravel.

Over the foundation shall be spread a bed of sand or lean sand-cement mortar, about 1" in thickness, struck to uniform top surface. Upon this bed the Tiles shall be laid with close joints or with spaced joints filled with cement grout. Beginning course shall be laid with whole and half tile alternately, and closing course with cut pieces of required size and shape. When laid with close joints, fine sand shall be brushed over the surface until joints are filled.

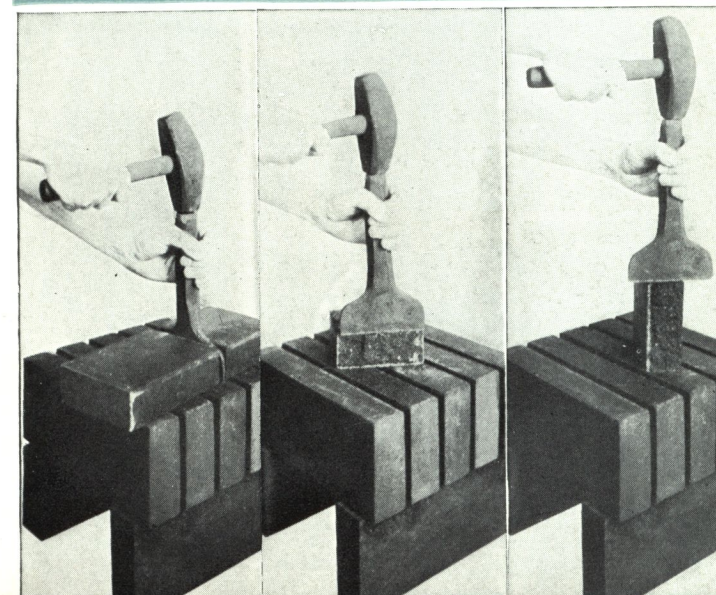


Preparing Bed for Laying Asphalt Blocks



Laying Asphalt Blocks

Cutting Asphalt Blocks



Digitized by:



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

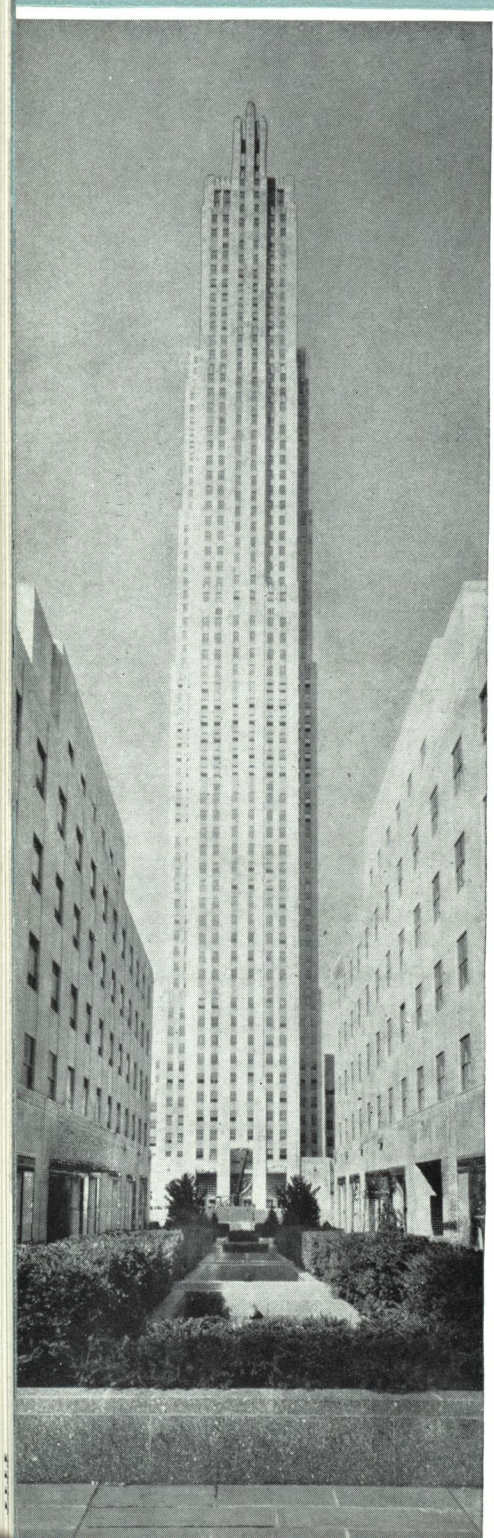
BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:
Robert Vail Cole Jr, AIA
1962 - 2011



ASPHALT BLOCKS AND TILES



Left Above—Naval Supply Base, Brooklyn, New York, Asphalt Block Floors

Center Above—Texas & Pacific Freight Terminal, Ft. Worth, Texas, Asphalt Block Floors and Shipping Platforms

Right Above—Union Inland Freight Terminal, Port of N. Y. Authority, New York City, Asphalt Block Loading Platforms.

Left—Rockefeller Center, New York City, Asphalt Block Non-Skid Construction Traffic Ramp.

In the foregoing pages, the use of Hastings Asphalt Blocks in various typical installations has been illustrated. There are many other purposes not within the scope of uses enumerated, to which Asphalt Blocks are equally well adapted.

Our engineering staff will be glad to cooperate in developing plans for the application of Hastings Asphalt Blocks not only to those projects where their use would normally be indicated, but also to those projects which involve unusual construction or service features and which, therefore, may require special treatment.

THE HASTINGS PAVEMENT COMPANY

Executive Offices

25 BROAD STREET • • NEW YORK CITY

Plant

HASTINGS-ON-HUDSON, N. Y.